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R20TS0797EJ0100

QE for Display[RX,RA]V3.0.0:

Rev.1.00

Feb. 01, 2022

Development Assistance Tool for Display Applications

Outline

QE for Display[RX] V2.1.0 has been updated to QE for Display[RX,RA]V3.0.0.

1. Product to Be Updated

QE for Display[RX] V2.1.0

2. Description

QE for Display[RX,RA] V3.0.0 supports both RX and RA family devices.

Addition of supported devices: RA6M3 group

Refer to the Release Note in the link below for the details of the update and how to install the product.

<https://www.renesas.com/us/en/document/rln/qe-displayrxra-v300-release-note>

2.1 Features

The following features are available for RA6M3 group.

- (1) LCD panel adjustment
- (2) GUI development support with emWin

<https://www.renesas.com/products/microcontrollers-microprocessors/ra-cortex-m-mcus/ra-partners/segger-emwin>

2.1.1 LCD Panel Adjustment

- The timing and image quality of LCD panels can be adjusted with the tool.
- The FSP Visualization shows the results of adjustments on the FSP.

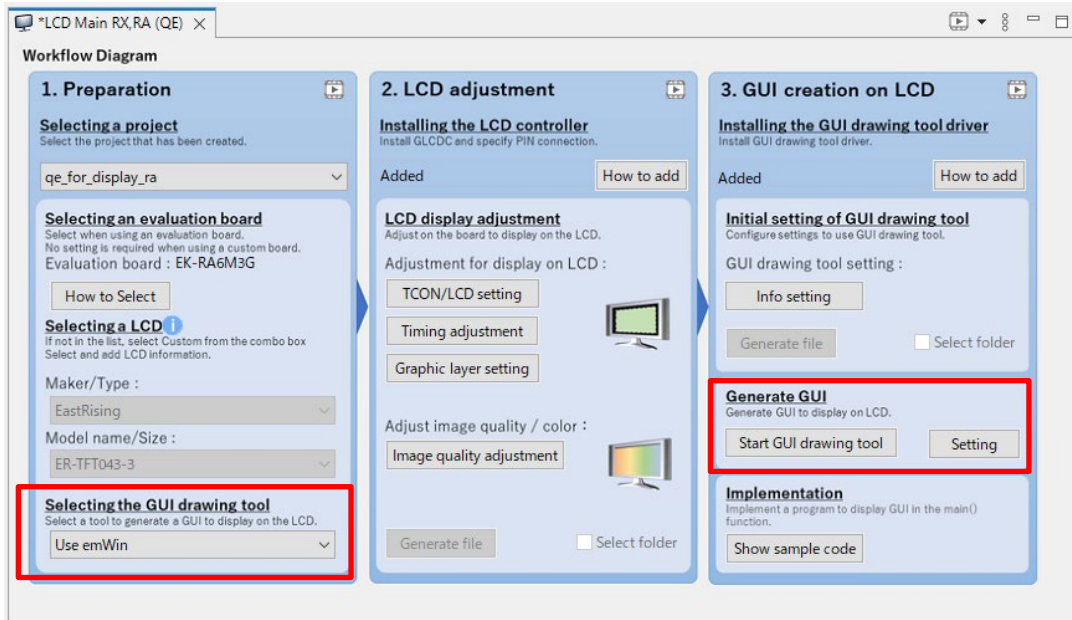
The screenshot shows the 'Stacks Configuration' window on the left, listing various components like HAL/Common, I/O Port, SEGGER emWin, and Graphics LCD. The 'FSP Visualization' window on the right displays a timing diagram for the FSP with various signal transitions labeled (VPW, VBP, VDP, VFP, VTP, HPW, HBP, HDP, HFP, HTP) and a table of frequency values.

	Value	Typical	Difference
Refresh Rate [Hz]	59.5	59.5	0.0
Horizontal Frequency [kHz]	17.1	17.1	0.0

Results of adjustments are displayed.

2.1.2 GUI Development Support with emWin

- The tool is linked to the emWin and supports RA6M3 group.
- Developers can easily create GUI by following the workflow.



Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Feb.01.22	-	First edition issued

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